

The American Mineralogist

*Journal of the Mineralogical
Society of America*

EDITOR

WALTER F. HUNT

ASSOCIATE EDITORS

MICHAEL FLEISCHER, SAMUEL G. GORDON, ESER S. LARSEN,
AUSTIN F. ROGERS, M. N. SHORT AND GEORGE TUNELL

VOLUME 31, 1946

Reprinted with the permission of the original publishers

KRAUS REPRINT CORPORATION

New York

1965

The American Mineralogist

Journal of the Mineralogical
Society of America

WALTER F. HUNT

EDITORIAL BOARD
WALTER F. HUNT, Editor
JAMES H. ROBERTS, Associate Editor
JAMES H. ROBERTS, Associate Editor
JAMES H. ROBERTS, Associate Editor

VOLUME 21, 1936

Published with the permission of the original publisher
WHAT A BEAUTIFUL EXPERIMENTATION
New York

Printed in U. S. A.

CONTENTS OF VOLUME 31

NOS. 1 AND 2, JANUARY-FEBRUARY

Chrome micas.....	D. R. E. Whitmore, L. G. Berry, and J. E. Hawley	1
Microscopic quartz crystals in brown coal, Victoria.....	George Baker	22
Computation of interfacial angles, interzonal angles, and clinographic projection by matrix methods.....	W. L. Bond	31
A chart for measurement of interference figures.....	Horace Winchell	43
Petalite and amblygonite from Karibib, South West Africa.....	H. J. Nel	51
Secondary Dauphiné twinning in quartz produced by sawing. Irradiation of twinned quartz.....	Clifford Frondel	58
Effects of dikes and displacement movements on sediments in Capitan quadrangle, New Mexico.....	Raymond Sidwell	65
A second discovery of inderite.....	E. Wm. Heinrich	71
Notes and news: Inclusions in muscovite from Mitchell Creek Mine, Upson County, Georgia.....	J. G. Lester	77
A simple test for the detection of the beryllium minerals.....	Mary H. Fletcher and Charles E. White	82
The Crystallographic Society.....		84
New mineral names; New data.....		85

NOS. 3 AND 4, MARCH-APRIL

The localization of uranium and thorium minerals in polished section. Part 1: The alpha ray emission pattern.....	Herman Yagoda	87
Acmite occurrences on the Cuyuna Range, Minnesota.....	Frank F. Grout	125
Geological mineralogy.....	Kenneth K. Landes	131
Third symposium on diamonds . Edward H. Kraus, Sydney H. Ball, Lazare Kaplan, A. A. Klein and C. R. Van Riper, Harry Whittaker and Chester B. Slawson, Horace Winchell, Herbert Insley and B. L. Steierman, Chauncey G. Peters,	Walter B. Emerson, Chester B. Slawson	135
Memorial of Florence Bascom.....	Eleanora Bliss Knopf	168
Memorial of Alexander Evgenievich Fersman.....	L. J. Spencer	173
Memorial of Edward Wigglesworth.....	Charles Palache	179
Proceedings of the twenty-sixth annual meeting of the Mineralogical Society of America at Pittsburgh, Pennsylvania.....	C. S. Hurlbut, Jr.	182
Correspondents, fellows, members and subscribers of The Mineralogical Society of America.....		213
Notes and news.....		242

NOS. 5 AND 6, MAY-JUNE

Clinoclasite.....	Charles Palache and L. G. Berry	243
Clinoclasite from Majuba Hill, Nevada.....	Vincent P. Gianella	259
Linear analysis of a medium-grained granite.....	Felix Chayes	261
Olivine from northern California showing perfect cleavage.....	H. E. Hawkes, Jr.	276
Nepheline syenite from Beemerville, Sussex County, New Jersey...	A. S. Wilkerson	284
Mineral oxidation.....	A. N. Winchell	288
Nonttronite in the Columbia River region....	Victor T. Allen and Vernon E. Scheid	294
Two occurrences of chloritoid as a hydrothermal mineral in igneous rocks.....	J. K. Gustafson	313

Notes and news: Measurement of the alpha index of refraction in micaceous minerals	Marie Louise Lindberg	317
An occurrence of pyromorphite in Illinois.....	Robert M. Grogan	320
Rutile in Harford County, Maryland.....	W. Harold Tomlinson	322
Proceedings of societies.....		326
New mineral names.....		327
Books—War victims.....		328

NOS. 7 AND 8, JULY-AUGUST

The Branchville, Connecticut, pegmatite.....	Vincent E. Shainin	329
Construction and study of flow structure models from field data.....	Kurt E. Lowe	346
Mineralogy of concretions from Pittsburgh coal seam, with special reference to analcite.....	Wilder D. Foster and Florence L. Feicht	357
Artinite from Luning, Nevada.....	Cornelius S. Hurlbut, Jr.	365
Drusy vugs in a monzonite dike, Bearpaw Mountains, Montana.....	William T. Pecora and Bernard Fisher	370
Viola's zone law.....	P. Terpstra and R. Ter Veld	386
Tinticite, a new mineral from Utah.....	Bronson Stringham	395
Notes and news: An electrically heated platinum wire for use in the mineralogical laboratory.....	Charles Milton and H. Cecil Spicer	401
A new occurrence of griphite.....	Howard W. Jaffe	404
Loellingite from Arizona.....	Charles A. Razsor	406
Proceedings of societies.....		408
Discredited species: New data.....		409
Nominations for officers of the Mineralogical Society of America for 1947.....		410

NOS. 9 AND 10, SEPTEMBER-OCTOBER

Sauconite—a clay mineral of the montmorillonite group.....	Clarence S. Ross	411
A graphic solution for certain problems of linear structure.....	Kurt E. Lowe	425
Kaolinite after beryl from Alto do Giz, Brazil.....	Paul F. Kerr	435
Influence of twinning on the usability of quartz from various localities.....	Cornelius S. Hurlbut, Jr.	443
Relation between secondary Dauphiné twinning and irradiation-coloring in quartz.....	Elizabeth Armstrong	456
Radiocolloid aggregates in uranium minerals.....	Herman Yagoda	462
A study of the Salt Springs Road peridotite dike in Syracuse, New York.....	James E. Maynard and Louis W. Ploger	471
Occurrence of bromine in carnallite and sylvite from Utah and New Mexico.....	Marie Louise Lindberg	486
Notes and news: Note on straw-silica glass from California.....	Charles Milton and Norman Davidson	495
Spectrographic prospecting for beryllium in pegmatites of western Montana.....	Eugene S. Perry and S. R. B. Cooke	499
Picking up grains.....	F. C. Calkins	503
Additional data on brazilianite.....	Cornelius S. Hurlbut, Jr.	507
Proceedings of Societies: The crystallographic Society.....		508
New mineral names.....		514

NOS. 11 AND 12, NOVEMBER-DECEMBER

Montbrayite, a new gold telluride.....	M. A. Peacock and R. M. Thompson	515
Manganese and lead as coactivators of red fluorescence in halite.....		
.....	K. J. Murata and Robert L. Smith	527
Notes on the structure of delafossite.....	A. Pabst	539
Gnomonic and heptaxial two-circle calculation.....	A. L. Parsons	547
Braunite from Snowmass, Pitkin County, Colorado.....	Austin F. Rogers	561
Effect of temperature on lineage structure in some synthetic crystals.....		
.....	O. F. Tuttle and W. S. Twenhofel	569
Origin of spheroidal clusters of analcime from Benton County, Oregon.....		
.....	Lloyd W. Staples	574
Chevkinite (tscheffkinite) from Arizona.....		
.....	Albert J. Kauffman, Jr., and Howard W. Jaffe	582
Notes and news: Corrections to Dana's System of Mineralogy, Volume one, Seventh Edition.....	Clifford Frondel	589
German mineralogists and geologists.....	R. G. Wayland	595
An occurrence of wappelerite in Nevada.....	Hatfield Goudey	598
The Branchville, Connecticut, pegmatite: a correction in terminology.....		
.....	Vincent E. Shainin	598
A new occurrence of adamite.....	Dan E. Mayers and Francis A. Wise	599
Proceedings of societies: The 130th anniversary of the Russian Mineralogical Society.....	D. P. Grigoriev	601
Book reviews.....		603
New mineral names.....		605
Index of volume 31; Title page; Table of contents.....		607

